

O I P E

APR 16 2002

TRANSMITTAL FORM

Application Serial Number	09/912,947
Filing Date	July 25, 2001
First Named Inventor	Dahlbäck et al.
Group Art Unit	1644
Examiner Name	Not Yet Assigned
Attorney Docket No.	INL-036DV
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <input type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form 	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <ul style="list-style-type: none"> <input type="checkbox"/> Formal Drawing: (Sheets) 	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interference <ul style="list-style-type: none"> <input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Amendment <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets _____] 	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal <ul style="list-style-type: none"> <input type="checkbox"/> Power of Attorney (Revocation of Prior Powers) 	<input type="checkbox"/> Status Inquiry <ul style="list-style-type: none"> <input type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application <ul style="list-style-type: none"> <input type="checkbox"/> Small Entity Statement 	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8 <ul style="list-style-type: none"> <input type="checkbox"/> Additional Enclosure(s) (please identify below) <ol style="list-style-type: none"> 1. Transmittal to Respond to Request for Substitute Papers 2. Copy of the Request for Substitute Papers. 3. Copy of the original postcard submitted dated 11/9/01 and the stamped postcard from U.S. Patent and Trademark Office stamped 1/10/02. 4. Copy of the check for \$110.00. 5. Copy of the Certificate of First Class Mailing Under 37 C.F.R. 1.8 dated 11/9/01. 6. Copy of the Transmittal Form dated 11/9/01. 7. Copy of the Fee Transmittal dated 11/9/01. 8. Copy of the Petition for Extension of Time Under 37 C.F.R. 1.136(a). 9. Copy of the Response to Notice of Incomplete Reply and copy of the Abstract. 10. Copy of the Notice of Incomplete Reply (NonProvisional).
<input type="checkbox"/> Information Disclosure Statement <ul style="list-style-type: none"> <input type="checkbox"/> Form PTO-1449 Copies of IDS Citations 	<input type="checkbox"/> CD(s) for large table or computer program <ul style="list-style-type: none"> <input type="checkbox"/> Amendment After Allowance 	<input type="checkbox"/> Certificate of Correction (in duplicate) <ul style="list-style-type: none"> <input type="checkbox"/> Request for Certificate of Correction
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above 		

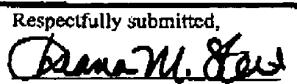
COPY OF PAPERS
ORIGINALLY FILED

CORRESPONDENCE ADDRESS

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

SIGNATURE BLOCK

Date: April 16, 2002
Reg. No. 43,153
Tel. No.: (617) 310-8168
Fax No.: (617) 248-7100

Respectfully submitted,

 Diana M. Steel
Attorney for Applicant
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110

2351338

PATENT
INL-036DV
(4643/36)

OIPE APR 16 2002
U.S. PATENT AND TRADEMARK OFFICE
TELEFACSIMILE RECEIVED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Dahlbäck GROUP NO.: 1644
SERIAL NO.: 09/912,947 EXAMINER: Not yet assigned
FILED: July 25, 2001
TITLE: NOVEL ANTICOAGULANT COFACTOR ACTIVITY ASSAYS FOR DETERMINING ANTICOAGULANT COFACTOR ACTIVITY

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence, and any documents referred to as attached hereto, are being transmitted to the U.S. Patent and Trademark Office, Room 1B03, Crystal Plaza Building 2, Arlington, Virginia 22202, Facsimile No. (703) 746-4060(OIPE) on this 16th day of April, 2002.

April 16, 2002
Date of Signature

Brenda T. Kowalcuk
Brenda T. Kowalcuk

U.S. Patent and Trademark Office
Room 1B03
Crystal Plaza Building 2
Arlington, Virginia 22202

Sir:

Submitted herewith are:

Telecopy Cover Sheet (1 pg.); Transmittal Form (1 pg.); Transmittal to Respond to Request for Substitute Papers (1 pg.); Copy of the Request for Substitute Papers (1 pg.); Copy of the original postcard submitted dated 11/9/01 and the stamped postcard from U.S. Patent and Trademark Office stamped 1/10/02 (1 pg.); Copy of the check for \$110.00 (1 pg.); Copy of the Certificate of First Class Mailing Under 37 C.F.R. 1.8 dated 11/9/01 (1 pg.); Copy of the Transmittal Form dated 11/9/01 (1 pg.); Copy of the Fee Transmittal dated 11/9/01 (1 pg.); Copy of the Petition for Extension of Time Under 37 C.F.R. 1.136(a) (1 pg.); Copy of the Response to Notice of Incomplete Reply and copy of the Abstract (2 pgs.); Copy of the Notice of Incomplete Reply (NonProvisional) (1 pg.); and this Certificate of Facsimile Transmission (1 pg.).

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Received from < > at 4/16/02 4:31:44 PM [Eastern Daylight Time]

PATENT
INL-036DV
(4643/36)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: Dahlbäck GROUP NO.: 1644
SERIAL NO.: 09/912,947 EXAMINER: Not yet assigned
FILED: July 25, 2001
TITLE: NOVEL ANTICOAGULANT COFACTOR ACTIVITY
ASSAYS FOR DETERMINING ANTICOAGULANT
COFACTOR ACTIVITY

U.S. Patent and Trademark Office
Room 1B03
Crystal Plaza Building 2
Arlington, Virginia 22202

Transmittal to Respond to Request for Substitute Papers

Sir:

Applicants submit that the below listed documents is a complete and accurate copy of the November 9, 2001 filing.

1. Copy of the original postcard submitted dated 11/9/01 and the stamped postcard from U.S. Patent and Trademark Office stamped 1/10/02;
2. Copy of the check for \$110.00;
3. Copy of the Certificate of First Class Mailing Under 37 C.F.R. 1.8 dated 11/9/01;
4. Copy of the Transmittal Form dated 11/9/01;
5. Copy of the Fee Transmittal dated 11/9/01;
6. Copy of the Petition for Extension of Time Under 37 C.F.R. 1.136(a);
7. Copy of the Response to Notice of Incomplete Reply and copy of the Abstract; and
8. Copy of the Notice of Incomplete Reply (NonProvisional).

Serial No. 09/912,947

Page 2

Enclosed is a copy of the Request for Substitute Papers. Applicants believe that no fees are necessitated by the present Amendment. However, in the event that any additional fees are due, the Commissioner is hereby authorized to charge any such fees to Attorney's Deposit Account No. 20-0531.

Respectfully Submitted,

Date: April 16, 2002

Tel. No. (617) 310-8168
Fax No. (617) 248-7100

Diana M. Steel

Diana M. Steel
Reg. No.: 43,153
Attorney for Applicant
Testa, Hurwitz & Thibeault, LLP
High Street Tower
125 High Street
Boston, MA 02110

2351329



UNITED STATES PATENT AND TRADEMARK OFFICE

COPY

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS
 Washington, D.C. 20231
 www.uspto.gov

Application Number	Filing Date	First Named Applicant	Atty. Docket No.
09/912,947	07/25/2001	Dahlback, Bjorn	INL-036DV

APR 16 2002

21323
 TESTA, HURWITZ & THIBEAULT, LLP
 HIGH STREET TOWER
 125 HIGH STREET
 BOSTON MA 02110

APR 22 2002

PATENT: U.S.
 TESTA, HURWITZ & THIBEAULT, LLP

Title: Novel anticoagulant cofactor

Date Mailed:03/18/2002

Request for Substitute Papers

The papers filed on 01/10/02 (certificate of mailing dated 11/09/01) are no longer in condition to become part of the permanent records of the United States Patent and Trademark Office (USPTO) for this application (37 CFR 1.52(a)) due to the United States Postal Service sanitization process.

The USPTO requests that applicant provide a copy of the above-identified papers (except for any U.S. or foreign patent documents submitted with the above-identified papers) with a statement that such copy is a complete and accurate copy of the above-identified papers (signing and returning a copy of this notice will provide such a statement). The reply to this letter should be submitted to the USPTO by facsimile at the number indicated 703-746-4060(OIPE).

Alternatively, the reply to this letter may be hand-carried to the Customer Service Window located in Room 1B03 of Crystal Plaza Building 2, Arlington, Virginia, 22202.

The USPTO **strongly** prefers that the reply to this letter be submitted by facsimile. However, if applicant cannot submit the reply to this letter by facsimile (or hand-delivery), the reply may be mailed to: Box Duplicate OIPE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202-2327.

This letter is not a notice under 37 CFR 1.251. However, failure to timely replay to this notice within **two (2) weeks** of the date of receipt of this letter may result in the USPTO issuing a notice under 37 CFR 1.251. **A copy of this notice should be included with the reply.**

The enclosed papers are a complete and accurate copy of the above-identified papers.

Name: Diana M. Steel Registration No.: 43,153

Signature: Diana M. Steel Date: 4/16/02

04/16/02 TUE 16:23 FAX

APR 16 2002

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INL-036DV
(4643/36)

The "RECEIVED" stamp of the Patent Office imprinted heron acknowledges the filing of:

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Name of Applicant: DAHLBACK
Intf. or Serial Number: 09/912,947
Atty: RPMoore / DMSteel
Date: November 9, 2001

INL-036DV
(4643/36)

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Certificate of First Class Mailing (1 pg.); Transmittal Form (1 pg.); Fee Transmittal (1 pg.); Petition for Extension of Time (1 pg.); Response to Notice of Incomplete Reply (2 pgs.); Copy of Notice of Incomplete Reply (1 pg.); and Check in the Amount of \$110.00.

Name of Applicant: DAHLBACK
Intf. or Serial Number: 09/912,947
Atty: RPMoore / DMSteel
Date: November 9, 2001



04/16/02 TUE 16:24 FAX

APR 16 2002

008

Testa, Hurwitz & Thibeault, LLP

125 High Street
Boston, MA 02110

Fleet Bank, N.A.
Boston, Massachusetts 02110

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5-08/10/02

Date:

November 9, 2001

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PATENT
Attorney Docket No. INL-036DV

O I P E

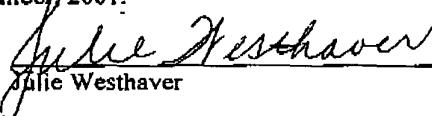
APR 16 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Dahlback
 SERIAL NO.: 09/912,947 GROUP NO.: Not yet assigned
 FILING DATE: July 25, 2001 EXAMINER: Not yet assigned
 TITLE: NOVEL ANTICOAGULATION COFACTOR ACTIVITY

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Box Missing Parts, Assistant Commissioner for Patents, Washington, DC 20231 on this 9th day of November 2001.


 Julie Westhaver

Box Missing Parts
 Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

Submitted herewith is/are:

Transmittal Form (1 pg.); Fee Transmittal (1 pg.); Petition for Extension of Time (1 pg.); Response to Notice of Incomplete Reply (2 pgs.); Copy of Notice of Incomplete Reply (1 pg.); Check in the Amount of \$110.00; and postcard.

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APR 16 2002
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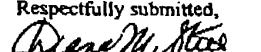
Application Serial Number	09/912,947
Filing Date	July 25, 2001
First Named Inventor	Dahlback
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket No.	INL-036DV
BATCH NO. (after allowance)	Not applicable
Patent No.	Not applicable
Issue Date	Not applicable

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form 	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application (PTO-1553) <ul style="list-style-type: none"> <input type="checkbox"/> Formal Drawing(s) 	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences <ul style="list-style-type: none"> <input type="checkbox"/> Appeal Brief (in triplicate)
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<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above 		

CORRESPONDENCE ADDRESS	SIGNATURE BLOCK
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100	<p>Respectfully submitted,</p> <p><i>Diana M. Steel</i> Diana M. Steel Attorney for Applicant Testa, Hurwitz & Thibeault, LLP High Street Tower 125 High Street Boston, MA 02110</p>

2217964

FEE TRANSMITTAL FY 2002		<i>Complete if Known</i> Application Serial Number 09/912,947 Filing Date July 25, 2001 First Named Inventor Dahlback Group Art Unit Not yet assigned Examiner Name Not yet assigned Attorney Docket No. INL-036DV																					
		COPY																					
		METHOD OF PAYMENT																					
		1. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other																					
		2. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531. <input type="checkbox"/> Required Fees (copy of this sheet enclosed). <input checked="" type="checkbox"/> Additional fee required under 37 CFR 1.16 and 1.17. <input checked="" type="checkbox"/> Overpayment Credit.																					
		3. <input type="checkbox"/> Applicant claims small entity status.																					
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1. FILING FEE																							
<table border="1"> <thead> <tr> <th>Large Entity</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>740</td> <td>Utility filing fee</td> <td></td> <td></td> </tr> <tr> <td>330</td> <td>Design filing fee</td> <td></td> <td></td> </tr> <tr> <td>160</td> <td>Provisional filing fee</td> <td></td> <td></td> </tr> </tbody> </table>				Large Entity	Fee (\$)	Fee Description	Fee Paid	740	Utility filing fee			330	Design filing fee			160	Provisional filing fee						
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330	Design filing fee																						
160	Provisional filing fee																						
<table border="1"> <thead> <tr> <th>Number Filed</th> <th>Number Extra</th> <th>Rate</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>- 20 =</td> <td>x \$ 18.00 =</td> <td></td> </tr> <tr> <td>Independent Claims</td> <td>- 3 =</td> <td>x \$ 84.00 =</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> Multiple Dependent Claim(s), if any</td> <td>\$280.00 =</td> <td></td> </tr> </tbody> </table>				Number Filed	Number Extra	Rate	Amount	Total Claims	- 20 =	x \$ 18.00 =		Independent Claims	- 3 =	x \$ 84.00 =		<input type="checkbox"/> Multiple Dependent Claim(s), if any		\$280.00 =					
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TOTAL: SMALL ENTITY DISCOUNT: SUBTOTAL (1) (\$ 00.00)																							
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<table border="1"> <thead> <tr> <th>Claims Remaining After Amend.</th> <th>Highest No. Previously Paid For</th> <th>Present Extra</th> <th>Rate</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>-</td> <td>=</td> <td>x \$ 18.00 =</td> <td></td> </tr> <tr> <td>Indep.</td> <td>-</td> <td>=</td> <td>x \$ 84.00 =</td> <td></td> </tr> <tr> <td colspan="2"><input type="checkbox"/> First Presentation of Multiple Dep. Claim</td> <td></td> <td>+\$280.00 =</td> <td></td> </tr> </tbody> </table>				Claims Remaining After Amend.	Highest No. Previously Paid For	Present Extra	Rate	Fee Paid	Total	-	=	x \$ 18.00 =		Indep.	-	=	x \$ 84.00 =		<input type="checkbox"/> First Presentation of Multiple Dep. Claim			+\$280.00 =	
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TOTAL: (\$ 00.00) SMALL ENTITY DISCOUNT: (\$ 00.00) SUBTOTAL (2) (\$ 00.00)																							
CORRESPONDENCE ADDRESS																							
Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP High Street Tower-125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100		SIGNATURE BLOCK Respectfully submitted,  Diana M. Steel Attorney for the Applicants Testa, Hurwitz & Thibeault, LLP High Street Tower-125 High Street Boston, MA 02110																					

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PATENT
Attorney Docket No. INL-036DV
(4643/36)

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Dahlbäck
 SERIAL NO.: 09/912,947 ART UNIT: Not yet assigned
 FILING DATE: July 25, 2001 EXAMINER: Not yet assigned
 TITLE: Novel Anticoagulant Cofactor Activity

COPY

RESPONSE TO NOTICE OF INCOMPLETE REPLY

Box Missing Parts
 Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

In response to the Notice to Incomplete Reply mailed October 19, 2001 with respect to the above-identified application, please find the Abstract attached on a separate sheet. Also enclosed a petition for extension of time up to and including November 15, 2001 and the extension fee. Applicants believe that no additional fees are due. Should Applicants be in error, please charge Deposit Account No. 20-0531

Respectfully submitted,

Date: November 9, 2001
 Reg. No. 43,153

Tel. No. (617) 310-8168
 Fax: (617) 248-7100

Diana M. Steel
 Diana M. Steel, D. Phil.
 Attorney for Applicant
 Testa, Hurwitz, & Thibeault
 High Street Tower
 125 High Street
 Boston, Massachusetts 02110

2217944

Response to Notice of Incomplete Reply
U.S. Serial No. 09/912,947
Page 2

O I P E
APR 16 2002
U.S. PATENT AND TRADEMARK OFFICE

--Abstract

Methods are disclosed for determining, in a sample derived from a human, the functional activity of a component of the human blood coagulation system, which activity can be correlated to conversion of a substrate specific for activated Protein C (APC), by measuring in an assay medium containing the sample and a substrate for APC, the conversion of the substrate by APC and correlating the conversion to the functional activity of the component. When the component is anticoagulant Factor V, at least one of exogenous APC, Protein S or an inhibitor of Protein S activity is added to the medium. When the component is Protein C, APC, or Protein S, exogenous anticoagulant Factor V or an inhibitor of anticoagulant activity of Factor V is added to the medium. Methods are also disclosed for diagnosing a blood coagulation/anticoagulation disorder or for determining a predisposition thereto in a human by determining anticoagulant Factor V activity in an assay medium containing a sample derived from the human.--



UNITED STATES PATENT AND TRADEMARK OFFICE

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Page 1 of 1

015

APR 16 2002

COMMISSIONER FOR PATENTS
 UNITED STATES PATENT AND TRADEMARK OFFICE
 WASHINGTON, D.C. 20231
 www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
09/912,947	07/25/2001	Bjorn Dahlback	INL-036DV

CONFIRMATION NO. 7730

021323
 TESTA, HURWITZ & THIBEAULT, LLP
 HIGH STREET TOWER
 125 HIGH STREET
 BOSTON, MA 02110

FORMALITIES LETTER



"OC00000006923362"

Date Mailed: 10/19/2001

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 09/13/2001 to the Notice to File Missing Parts (Notice) mailed 08/15/2001 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice.

The period of reply remains as set forth in the Notice. You may, however, obtain EXTENSIONS OF TIME under the provisions of 37 CFR 1.136 (a) accompanied by the appropriate fee (37 CFR 1.17(a)).

A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Abstract must be on a separate sheet.

A copy of this notice MUST be returned with the reply.

Alm
 Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE